

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims 1-26:**

1. (Currently amended) A method of washing a drain pipe in which a nozzle is provided at leading end of a high pressure hose connected to a terminal hose control, a universal guide is linked to a leading end of the nozzle, high pressure water is jetted obliquely rearward from a plurality of injection holes opened in the nozzle, a propulsion force is generated in the nozzle by that jetting force, the high pressure hose is fed into the drain pipe while causing the high pressure hose to turn, and an interior of the pipe is washed by the high pressure water jetted from the nozzle,  
wherein characterized in that:

the nozzle is made to turn in a spiral movement in conjunction with turning and pulling out of the high pressure hose, by setting a jet pressure of high pressure water injected from a specific injection hole to the interior of the pipe smaller than a total jet pressure of high-pressure water injected from other injection holes to the interior of the pipe, in order to constantly push the specific injection hole of the plurality of injection holes against an inner peripheral surface of the pipe, when the high pressure water is injected from the plurality of injections holes so that, of the plurality of injection holes, only the specific injection hole is always facing and pressed against~~in opposition to~~ the inner peripheral surface of the pipe.

2. (Currently amended) A method of washing a drain pipe in which a nozzle is provided at a leading end of a high pressure hose connected to a terminal hose control, a universal guide is linked to a leading end of the nozzle, high pressure water is jetted obliquely rearward from a plurality of injection holes opened in the nozzle, a propulsion force is generated in the nozzle by that jetting force, the high pressure hose is fed into the drain pipe while causing the high pressure hose to turn, and an interior of the pipe is washed by the high pressure water jetted from the nozzle,

wherein characterized in that:

the nozzle is made to turn in a spiral movement in conjunction with turning and pulling out of the high pressure hose, by setting a jet pressure of high pressure water injected from a specific injection hole to the interior of the pipe smaller than a total jet pressure of high-pressure water injected from other injection holes to the interior of the pipe, in order to constantly push the specific injection hole of the plurality of injection holes against an inner peripheral surface of the pipe, when the high pressure water is injected from the plurality of injections holes so that, of the plurality of injection holes, only the specific injection hole is always facing and pressed against~~in opposition to~~ the inner peripheral surface of the pipe;

the diameter of the specific injection hole is set so as to be larger than diameters of other injection holes; and

angle  $\alpha$  subtended by center axis line I of the certain injection hole and center axis line H of the nozzle is set so as to be smaller than angles  $\beta$  subtended by center axis line J of other injection holes and a center axis line H of the nozzle (so that  $\alpha$  is less than  $\beta$ ).

3. (Currently amended) A method of washing drain pipe in which a nozzle is provided at leading end of a high pressure hose connected to a terminal hose control, a universal guide is linked to leading end of the nozzle, high pressure water is jetted from a plurality of injection holes opened in the nozzle, the high pressure hose is fed into the drain pipe while causing the high pressure hose to turn, and an interior of the pipe is washed by the high pressure water jetted from the nozzle, ~~wherein characterized in that:~~

the nozzle is made to turn in a spiral movement in conjunction with turning, pulling out, and pulling back of the high pressure hose, by setting a jet pressure of high pressure water injected from a specific injection hole to the interior of the pipe smaller than a total jet pressure of high-pressure water injected from other injection holes to the interior of the pipe, in order to constantly push the specific injection hole of the plurality of injection holes against an inner peripheral surface of the pipe, when the high pressure water is injected from the plurality of injections holes so that, of the plurality of injection holes, only the specific injection hole is always facing and pressed against in ~~opposition to~~ the inner peripheral surface of the pipe;

the diameter of the specific injection hole is set so as to be larger than diameters of other injection holes; and

angle  $\alpha$  subtended by center axis line I of the certain injection hole and center axis line H of the nozzle is substantially 90 degrees, and angle  $\beta$  subtended by a center axis line J of other injection holes and a center axis line H of the nozzle, respectively, is substantially 90 degrees.

4. (Currently amended) A method of washing drain pipe in which a nozzle is provided at leading end of a high pressure hose connected to a terminal hose control, a universal guide is linked to a leading end of the nozzle, high pressure water is jetted from a plurality of injection holes opened in the nozzle, the high pressure hose is fed into the drain pipe while causing the high pressure hose to turn, and an interior of the pipe is washed by the high pressure water jetted from the nozzle, wherein characterized in that:

the nozzle is made to turn in a spiral movement along inner peripheral surface of the pipe, in conjunction with turning and feeding out the high pressure hose, by setting a jet pressure of high pressure water injected from a specific injection hole to the interior of the pipe smaller than a total jet pressure of high-pressure water injected from other injection holes to the interior of the pipe, in order to constantly push the specific injection hole of the plurality of injection holes against an inner peripheral surface of the pipe, when the high pressure water is injected from the plurality of injections holes so that, of the plurality of injection holes, only the specific injection hole is always facing and pressed against ~~in opposition to~~ the inner peripheral surface of the pipe;

the diameter of the specific injection hole is made larger than diameters of other injection holes;

a position of the certain injection hole is made farther rearward than positions of other injection holes as seen from direction of advance of the nozzle;

angle  $\alpha$  subtended by center axis line I of the specific injection hole and center axis line H of the nozzle is made an acute angle; and

angle  $\beta$  subtended by center axis line J of other injection holes and a center axis line H of the nozzle, respectively, is substantially 90 degrees.

5. (Currently amended) A method of washing a drain pipe in which a nozzle is provided at leading end of a high pressure hose connected to a terminal hose control, a universal guide is linked to a leading end of the nozzle, a jetting medium is jetted obliquely rearward from a plurality of injection holes opened in the nozzle, a propulsion force is generated in the nozzle by that jetting force, the high pressure hose is fed into the drain pipe while causing the high pressure hose to turn, and an interior of the pipe is washed by the jetting medium jetted from the nozzle, ~~wherein~~characterized in that:

the jetting medium comprises a mixture of a fluid and a gas; and

the nozzle is made to turn in a spiral movement in conjunction with turning and pulling out of the high pressure hose, by setting a jet pressure of high pressure water injected from a specific injection hole to the interior of the pipe smaller than a total jet pressure of high-pressure water injected from other injection holes to the interior of the pipe, in order to constantly push the specific injection hole of the plurality of injection holes against an inner peripheral surface of the pipe, when the high pressure water is injected from the plurality of injections holes so that, of the plurality of injection holes, only the specific injection hole is always facing and pressed against~~in opposition to~~ the inner peripheral surface of the pipe.

6 (Currently amended) A method of washing a drain pipe in which a nozzle is provided at leading end of a high pressure hose connected to a terminal hose control, a universal guide is linked to a leading end of the nozzle, jetting medium is jetted obliquely rearward from a plurality of injection holes opened in the nozzle, a propulsion force is generated in the nozzle by that jetting force, the high pressure hose is fed into the drain pipe while causing the high pressure hose to turn, and an interior of the pipe is washed by the jetting medium jetted from the nozzle, wherein~~characterized in that:~~

the jetting medium comprises a mixture of a fluid and a gas;

the nozzle is made to turn in a spiral movement in conjunction with turning and pulling out of the high pressure hose, by setting a jet pressure of high pressure water injected from a specific injection hole to the interior of the pipe smaller than a total jet pressure of high-pressure water injected from other injection holes to the interior of the pipe, in order to constantly push the specific injection hole of the plurality of injection holes against an inner peripheral surface of the pipe, when the high pressure water is injected from the plurality of injections holes so that, of the plurality of injection holes, only the specific injection hole is always facing and pressed against~~in opposition to~~ the inner peripheral surface of the pipe.

the diameter of the specific injection hole is set so as to be larger than diameters of other injection holes; and

angle  $\alpha$  subtended by center axis line I of the certain injection hole and center axis line H of the nozzle is set so as to be smaller than angles  $\beta$  subtended by center axis line J of other injection holes and the center axis line H of the nozzle (so that  $\alpha$  is less than  $\beta$ ).

7. (Currently amended) A method of washing a drain pipe in which a nozzle is provided at leading end of a high pressure hose connected to a terminal hose control, a universal guide is linked to a leading end of the nozzle, jetting medium is jetted from a plurality of injection holes opened in the nozzle, the high pressure hose is fed into the drain pipe while causing the high pressure hose to turn, and an interior of the pipe is washed by the jetting medium jetted from the nozzle, wherein~~characterized in that:~~

the jetting medium comprises a mixture of a fluid and a gas;

the nozzle is made to turn in a spiral movement along inner peripheral surface of the pipe, in conjunction with turning, pulling out, and pulling back the high pressure hose, by setting a jet pressure of high pressure water injected from a specific injection hole to the interior of the pipe smaller than a total jet pressure of high-pressure water injected from other injection holes to the interior of the pipe, in order to constantly push the specific injection hole of the plurality of injection holes against an inner peripheral surface of the pipe, when the high pressure water is injected from the plurality of injections holes so that, of the plurality of injection holes, only the specific injection hole is always facing and pressed against~~in opposition to~~ the inner peripheral surface of the pipe;

the diameter of the specific injection hole is set so as to be larger than diameters of other injection holes; and

angle  $\alpha$  subtended by center axis line I of the certain injection hole and center axis line H of the nozzle is substantially 90 degrees, and angles  $\beta$  subtended by a center axis line J of other injection holes and a center axis line H of the nozzle, is substantially 90 degrees.

8. (Currently amended) A method of washing drain pipe in which a nozzle is provided at leading end of a high pressure hose connected to a terminal hose control, a universal guide is linked to a leading end of the nozzle, jetting medium is jetted from a plurality of injection holes opened in the nozzle, the high pressure hose is fed into the drain pipe while causing the high pressure hose to turn, and an interior of the pipe is washed by the jetting medium jetted from the nozzle wherein~~characterized in that:~~

the jetting medium comprises a mixture of a fluid and a gas;

the nozzle is made to turn in a spiral movement in conjunction with turning and feeding out the high pressure hose, by setting a jet pressure of high pressure water injected from a specific injection hole to the interior of the pipe smaller than a total jet pressure of high-pressure water injected from other injection holes to the interior of the pipe, in order to constantly push the specific injection hole of the plurality of injection holes against an inner peripheral surface of the pipe, when the high pressure water is injected from the plurality of injections holes so that, of the plurality of injection holes, only the specific injection hole is always facing and pressed against~~in opposition to~~ the inner peripheral surface of the pipe;

the diameter of the specific injection hole is made larger than diameters of other injection holes;

the position of the specific injection hole is made farther rearward than positions of other injection holes as seen from direction of advance of the nozzle;

angle  $\alpha$  subtended by a center axis line I of the certain injection hole and a center axis line H of the nozzle is an acute angle; and

angles  $\beta$  subtended by center a axis line J of other injection holes and a center axis line H of the nozzle, respectively, are each substantially 90 degrees.



9. (Currently amended) The method of washing drain pipe according to claim 1, ~~wherein characterized in that~~ the high pressure water is hot water.

10. (Currently amended) The method of washing drain pipe according to claim 5, ~~wherein characterized in that~~ the fluid is cold water or hot water, and the gas is air.

11. (Currently amended) The method of washing drain pipe according to claim 1, ~~wherein characterized in that~~ diameter of the certain injection hole is set so as to be larger than diameters of other injection holes.

12. (Currently amended) The method of washing drain pipe according to claim 1, ~~wherein characterized in that~~ the nozzle and the high pressure hose are directly linked by means of a pressure connection socket.

13. (Currently amended) The method of washing drain pipe according to claim 1, ~~wherein characterized in that~~ a reference line is placed on the surface of the high pressure hose indicating a position of the certain injection hole, along the longitudinal direction of the high pressure hose.

Claims 14-26 (Cancelled)